

Converting Colors

$Y_{xy}(49.5310, 0.2203, 0.2848)$

Have a look what the booklet for
Yxy(49.5310, 0.2203, 0.2848)
contains.

Yxy(49.3292, 0.2201, 0.2841)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.3292, 0.2201, 0.2841)

Conversions

Conversions Part 1

Format	Color
Hex	40CAEB
RGB	64, 202, 235
RGB Percent	25%, 79%, 92%
CMY	0.7499, 0.2078, 0.0785
CMYK	0.73, 0.14, 0.00, 0.08
HSL	192°, 81%, 59%
HSV	192°, 73%, 92%
XYZ	38.2167, 49.3292, 86.0874
YIQ	164.5000, -92.8410, -18.9930

Conversions

Conversions Part 2

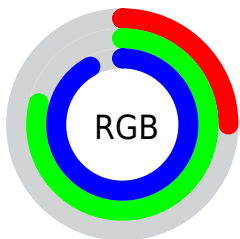
Format	Color
RYB	64, 140, 235
Decimal	4246251
CIELab	75.66, -26.03, -26.91
CIELCh	76, 37.437, 225.956
Yxy	49.3292, 0.2201, 0.2841
Android (android.graphics.Color)	4282436331 (0xFF40CAEB)
YUV	164.5000, 34.7565, -88.1385
Hunter-Lab	70.2347, -25.7840, -23.5080

Details

The Yxy color **49.3292, 0.2201, 0.2841** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **26.5278, 0.5341, 0.3594**, and the grayscale version is **37.2118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **24.4345, 0.2091, 0.2729** is the 20% darker color. If you saturate the color by 10%, you get **46.6129, 0.2137, 0.2770**, and if you desaturate by 10%, it is **52.4424, 0.2285, 0.2911**.

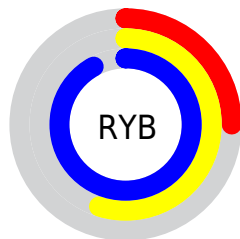
Distribution



Red (25%)

Green (79%)

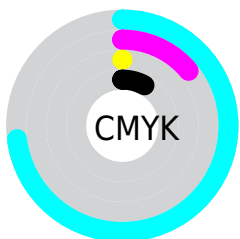
Blue (92%)



Red (25%)

Yellow (55%)

Blue (92%)

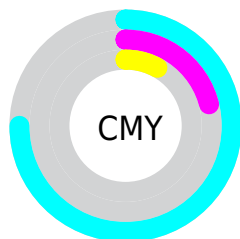


Cyan (73%)

Magenta (14%)

Yellow (0%)

Black (8%)



Cyan (75%)


Magenta (21%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3292, 0.2201, 0.2841 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 49.3292, 0.2201, 0.2841 by changing the saturation by 10% instead.


 49.3292, 0.2201,
0.2841


 49.3292, 0.2201,
0.2841


384.0369, 0.2640,
0.3074


 34.8807, 0.2100,
0.2782


 89.1802, 0.2355,
0.2927


 23.5710, 0.1975,
0.2705


 115.3515, 0.2414,
0.2959

 15.0157, 0.1817,
0.2604


 146.1991, 0.2465,
0.2986

 8.8304, 0.1613,
0.2464

 182.1075, 0.2509,
0.3009

 4.6307, 0.1343,
0.2261

223.4611, 0.2548,
0.3028

 2.0323, 0.0982,
0.1950

270.6443, 0.2582,

 0.6261, 0.0000,

0.3046

0.1478

324.0414, 0.2613,
0.3061

0.0000, 0.0000,
0.0000

49.3292, 0.2201,
0.2841

49.3292, 0.2201,
0.2841

46.6129, 0.2137,
0.2770

52.4424, 0.2285,
0.2911

44.2429, 0.2093,
0.2700

55.9850, 0.2387,
0.2980


42.7125, 0.2070,
0.2651


59.9913, 0.2505,
0.3047


64.4907, 0.2637,
0.3111

69.5096, 0.2780,
0.3171

 75.0726, 0.2929,
0.3226

 81.2025, 0.3083,
0.3276

 87.9206, 0.3238,
0.3322

 91.1991, 0.3255,
0.3366

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3292, 0.2356, 0.3301



49.3292, 0.2201, 0.2841



49.3292, 0.2266, 0.2556

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.3292, 0.2201, 0.2841



49.3292, 0.3510, 0.2837



49.3292, 0.3690, 0.4203

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.3292, 0.2201, 0.2841



26.5278, 0.5341, 0.3594

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.3292, 0.4046, 0.3976



49.3292, 0.2201, 0.2841



49.3292, 0.3952, 0.3201

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.3292, 0.2201, 0.2841



49.3292, 0.2986, 0.2578



49.3292, 0.4151, 0.3606



49.3292, 0.3200, 0.4160

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.3292, 0.2201, 0.2841



49.3292, 0.2427, 0.2480



49.3292, 0.4151, 0.3606



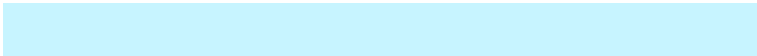
49.3292, 0.3830, 0.4151

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.3310, 0.2201, 0.2841



84.1703, 0.2791, 0.3175



61.3165, 0.2918, 0.5281



17.6471, 0.2751, 0.3159



0.0000, 0.0000, 0.0000



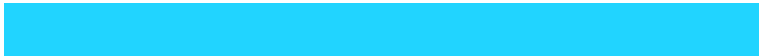
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.3310, 0.2201, 0.2841



54.7787, 0.2115, 0.2739



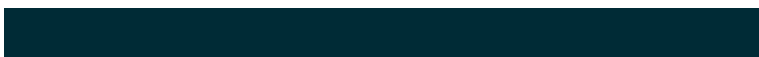
20.0355, 0.1888, 0.1605



16.6003, 0.2981, 0.3244



23.9565, 0.2073, 0.2662



2.0075, 0.2100, 0.2759

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.5663, 0.3577, 0.1957



27.1243, 0.3686, 0.1861



50.9793, 0.4508, 0.4450



15.2612, 0.3167, 0.3102



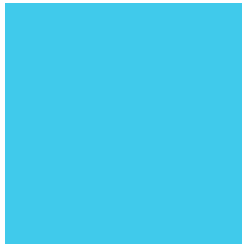
11.9112, 0.3764, 0.1847



0.9481, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 49.3292, 0.2201, 0.2841 looks on a white background.

Color Contrast Check

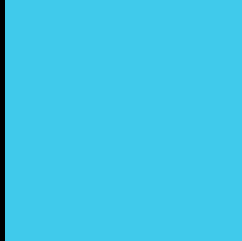
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 49.3292, 0.2201, 0.2841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

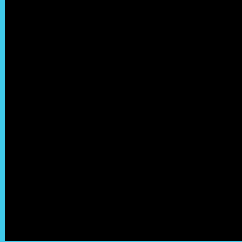
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3292, 0.2201, 0.2841

Background



This preview shows how black text looks on a background with the Yxy color 49.3292, 0.2201, 0.2841.



This preview shows how white text looks on a background with the Yxy color 49.3292, 0.2201, 0.2841.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

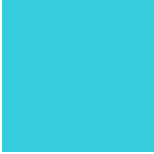
49.3292, 0.2201, 0.2841

Protanopia

48.4880, 0.2794, 0.2808

Deuteranopia

48.7458, 0.2657, 0.2595



Tritanopia

49.1631, 0.2239, 0.3049

Trichromacy



Original Color

49.3292, 0.2201, 0.2841

Protanomaly

47.6072, 0.2501, 0.2806

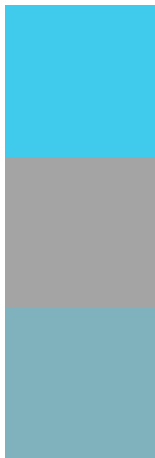
Deuteranomaly

47.6366, 0.2430, 0.2663

Tritanomaly

49.0727, 0.2224, 0.2968

Monochromacy



Original Color

49.3292, 0.2201, 0.2841

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

40.1477, 0.2646, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3292, 0.2201, 0.2841 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(64, 202, 235)` looks like.

```
.text, #text, p{  
    color:rgb(64, 202, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(64, 202, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 202, 235) }
```

Border

The CSS property to change the border of an element to Yxy 49.3292, 0.2201, 0.2841 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 202, 235) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(64, 202, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(64, 202, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 202, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 202, 235);  
box-shadow:4px 4px 4px 4px rgb(64, 202,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3292, 0.2201, 0.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 202, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(64, 202,  
235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor